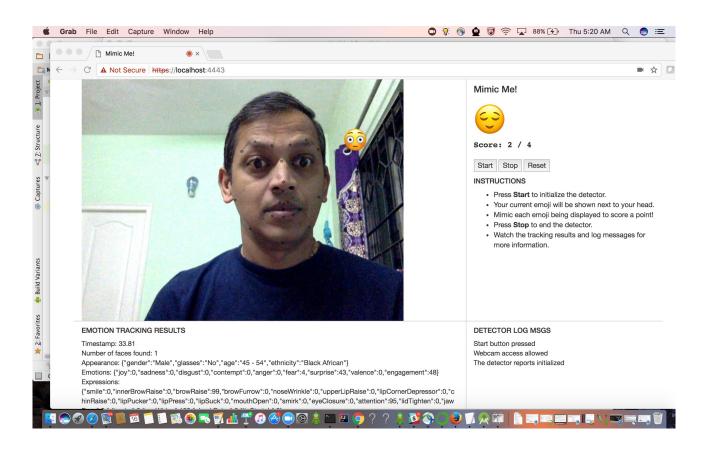
# Mimic Me Mini Project

The Solution requires PopUp's to be Enabled in the Browser.

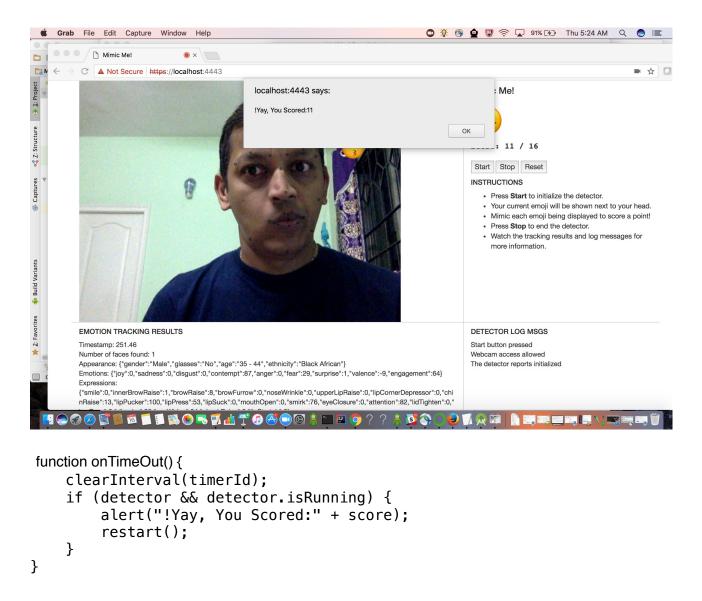
#### Game Strategy

- 1. Show a random emoji
- 2. Set an Interval Timer of 10 seconds for each emoji. Switch to a new Random Emoji on IntervalTimeout
- 3. Set a Game timeout of 60 seconds. On timeout reset the game score and start over again
- 4. Change to a new Random Emoji as soon as a match is found with the player's face with a delay of 1 second.
- 5. The more number of faces a player matches in the given time the more his/her score
- 6. On Game Timeout a Popup shows the final score

#### Draw Feature Points And Dominant Emoji



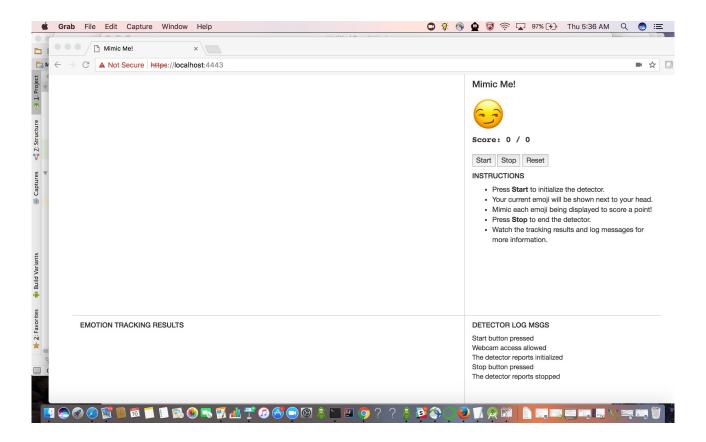
### Show the score on Game Up



Clear the Interval Timer so we don't switch emoji's anymore. And show the final score. Currently the game restarts immediately once the pop-up is cleared by the player and we keep the detector running. Another option is to stop the detector at the end of the game and restart the game and detector upon player hitting start again.

### Stop the Timers on Stop Button

```
// Stop button
function onStop() {
  log('#logs', "Stop button pressed");
  if (detector && detector.isRunning) {
    detector.removeEventListener();
    detector.stop(); // stop detector
  }
  clearInterval(timerId);
  clearTimeout(timeOutId);
};
```



#### Initialize the Game

```
function initializeGame() {
    //draw the first one
    drawRandomEmoji();
    //draw a new one each 10 seconds
    timerId = setInterval(drawRandomEmoji, 10000);
    // game up after 60 seconds
    timeOutId = setTimeout(onTimeOut, 60000);
    score = 0;
    total = 0;
    setScore(score, total);
}
```

draw the first random emoji, set a Interval Timer of 10 seconds and a Game Timeout of 60 seconds. Draw a new Emoji on Interval Timeout and increment the total emojis shown.

## Check and Update Score

```
function checkAndUpdateScore(dominantEmoji) {
    if (toUnicode(dominantEmoji) == emojis[current]) {
        score += 1;
        setScore(score,total);
        //faster the user matches, more he/she can score
        wait(1000);
        drawRandomEmoji();
    }
}
```

This function is called upon "onImageResultsSuccess" event. And the score is incremented if there is a emoji match. A delay of 1 second is used to ensure one can see the match visually before a new random emoji shows up on the screen.

# Draw Random Emoji

```
function drawRandomEmoji() {
   current = getRandomInt(0, emojis.length - 1);
   setTargetEmoji(emojis[current]);
   total += 1;
   setScore(score,total);
}
```

Get's a random emoji for display and increments the total emoji's shown so far.

#### Reset

On Reset button press, we restart the game by setting the score/total to 0/0.

```
function restart() {
    clearTimeout(timeOutId);
    score = 0;
    total = 0;
    setScore(score, total);
    if (detector && detector.isRunning) {
        initializeGame();
    }
}
```

Clear the Game Timer cause reset can be hit in the middle of an ongoing game. And initialise the game only if detector is running.